

VIA Hand Delivery
PATENT
60303.32

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Takeshi NISHIUCHI et al. Serial No.: Currently unknown Filing Date: Concurrently herewith For: COMPOUND FOR RARE-EARTH BONDED MAGNET AND BONDED MAGNET USING THE COMPOUND	Parent Appln. Serial No.: 09/986,390 Parent Filing Date: November 8, 2001
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INFORMATION DISCLOSURE STATEMENT

U .S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop PATENT APPLICATION
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Sir:

In accordance with 37 CFR §1.56, and in recognition of their duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicants submit herewith an Information Disclosure Statement (Form PTO-1449, references 1-57), which lists all the prior art references that were listed in the Parent Application No. 09/986,390, currently pending. Accordingly, a copy of these references can be found in the Parent Application No. 09/986,390, currently pending.

In addition, Applicants submit herewith copies of the prior art listed on the attached Information Disclosure Statement (Form PTO-1449, references 58-63), including an English abstract.

This statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

Applicants respectfully request that the disclosed references be made of record in the subject application.

Respectfully submitted,

Date: August 18, 2003



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet **1** of **5**

Application Number

Filing Date

First Named Inventor

Takeshi NISHIUCHI

Art Unit

Examiner Name

Attorney Docket Number

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM -YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	5,666,635	09/1997	Kaneko et al	
	2	6,332,933	12/2001	Ma et al.	
	3	6,352,599	03/2002	Chang et al.	
	4	6,280,536	08/2001	Inoue et al.	
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	19	JP 06-32471	01/1995	JAPAN		X
	20	JP 2000-079449	03/2000	JAPAN		X
	21	JP 61-140350	06/1986	JAPAN		X
	22	JP 2000-079451	3/2000	JAPAN		X
	23	JP 8-167515	06/1996	JAPAN		X
	24	JP 1-100242	04/1989	JAPAN		X

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Takeshi NISHIUCHI
		Art Unit	
		Examiner Name	
Sheet 2 of 5	Attorney Docket Number	60303.32	

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	43	DE 197 39 959	03/1998	GERMANY		
	44	EP 1 061 532	12/2000	EUROPE		

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STATEMENT BY APPLICANT**

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60303.32**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	45	R. Coehoorn, et al., "Novel Permanent Magnetic Materials Made by Rapid Quenching", Journal de Physique, C8, 12/1988, pp.669-670.	
	46	W.C. Chang, et al., "The Effects of Refractory Metals on the Magnetic Properties Of α -Fe/R ₂ Fe ₁₄ B-Type Nanocomposites", IEEE, Transactions on Magnetism, Vol.35, No.5, September 1999, pp.3265-3267.	
	47	W.C. Chang, et al., Magnetic and Microstructure Studies of boron-enriched (Nd _{0.95} La _{0.05}) ₁₁ Fe _{76.5-x} Co _x Ti ₂ B _{10.5} (x=0-15) Melt-Spun Ribbons, IEEE, Transactions on Magnetism, Vol.36, No.5, September 2000, pp.312-3314.	
	48	W.C. Chang, et al., "High performance α -Fe/Nd ₂ Fe ₁₄ B-type nanocomposites", Applied Physics Letters, Vol.72 No.1, January 1998, pp.121-123.	
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	51	Chiriac, et al., "Nd ₈ Fe ₇₃ Co ₅ Hf ₂ B ₁₂ strip cast alloy", Journal of Applied Physics, Vol. 87 No. 9, May 2000, pp.5338-5340.	
	52	J. Bernardi, et al., "Microstructural analysis of strip cast Nd-Fe-B alloys for high (BH) _{max} magnets", Journal of Applied Physics, Vol.83 No. 11, June 1998, pp.6396-6398.	
	53	W.C. Chang, et al., "The effects of La-substitution on the microstructure and magnetic properties of nanocomposite NdFeB melt spun ribbons", Journal of Magnetism and Magnetic Materials, Vo.167 Nos.1-2, March 1997, pp.65-70.	
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	56	Q. Chen, et al., "A Study on the Phase Transformation and Exchange-coupling of (Nd _{0.95} La _{0.05}) _{9.5} Fe _{ba1} Co ₅ Nb ₂ B _{10.5} Nanaocomposites, Materials Research Society Symposium Proceedings", Vo.577, April 1999, pp.209-219.	

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No.¹

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

T2

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	60	JP 2001-244107	09/2001	JAPAN		
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